

Form PTO-1449 COMMERCE (REV. 7-80)		U.S. DEPARTMENT OF PATENT AND TRADEMARK OFFICE	
Atty. Docket No. GB 000166		Serial No. 09/998,032	
Applicant JEFFREY A. CHAPMAN ET AL.			
Filing Date 11/29/01		Group 2871	

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)												
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U.S. PATENT DOCUMENTS													
Ex. Int.		Document Number							Date	Name	Class	Sub-class	Filing Date If Approp.
A	AA	0	0	1	9	3	7	4	9/6/01	IZUMI ET AL. (Patent App. Pub. 2001)	349	43	
	AB												
	AC												
	AD												
	AE												
	AF												

FOREIGN PATENT DOCUMENTS														
		Document Number							Date	Country	Class	Sub-class	Trans. Yes No	
	AG													
	AH													
	AI													
	AJ													
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OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)														
	AL													
	AM													
	AN													

Examiner		Date Considered	6/24/04
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

IDS (Probably filed 11/4/2002) Rec'd

November 12, 2003

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U.S. PATENT DOCUMENTS								
Ex. Int.		Document Number	Date	Name	Class	Sub-class	Filing Date If Approp.	
	AA							
	AB							
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	AE							
	AF							
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Sub-class	Trans.	
							Yes No	
	AG	E P 0 5 1 8 4 2 2	12/16/92	EUROPE	C03C	17/10	X	
	AH	W O 9 9 5 9 0 2 4	11/18/99	PCT	G02F	1/1343	X	
	AI							
	AJ							
	AK							
OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AL	"Conductivity Enhancement of Transparent Electrode by Side-Wall Copper Electroplating", J. Liu et al, SID 93 Digest, pp. 554-557						
	AM							
	AN							
Examiner				Date Considered				
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IDS filed 11/29/2001